

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|------------------------------------|------------------|---------|------------------|
| L2 | 26 | ("4399504" "4480304" "4533995" "4665520" "4965719" "5043876" "5247672" "5255387" "5265232" "5276835" "5280611" "5287473" "5287521" "5289588" "5305448" "5408653" "5557792").PN. OR ("5761660").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/12 12:52 |
| L3 | 35 | "6629097" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/12 13:09 |
| L32 | 28 | (sequentially adj ordered adj set) and (@rlad<="20040107" @ad<="20040107") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:36 |
| L33 | 18 | (sequentially adj ordered adj set) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:40 |
| L34 | 14445 | (batch adj process) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:47 |
| L36 | 3 | 34 and (lock adj management) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:42 |
| L37 | 11 | 34 and (record adj level) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:42 |
| L38 | 3 | (block adj level adj lock) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:45 |
| L39 | 3 | (batch adj sequential adj process) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:48 |
| L40 | 4 | (batch adj sequential adj processing) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 16:20 |
| L41 | 0 | (batch adj sequential adj processing) . clm. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 16:20 |

KBP

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|-----|-----|--|---|----|----|------------------|
| L42 | 41 | (lock and (control adj area)).clm. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 16:21 |
| L43 | 30 | (sequentially adj ordered adj set) "clm." | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 16:22 |
| L44 | 6 | (sequentially adj ordered adj set).clm. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 16:22 |
| S1 | 2 | "6732137" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:09 |
| S2 | 4 | batch adj sequential adj process | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:10 |
| S3 | 2 | dual-level adj lock\$3 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:10 |
| S4 | 33 | second adj level adj lock\$3 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:11 |
| S5 | 18 | S4 and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 14:10 |
| S7 | 10 | "5761660" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:40 |
| S10 | 97 | file adj retention | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/03/25 16:42 |
| S11 | 73 | S10 and (@rlad<="20040107" @ad<="20040107") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:35 |
| S15 | 109 | quarles.in. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/10 17:01 |

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|-----|----|---|---|----|----|------------------|
| S16 | 1 | S15 and shadow | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/10 17:22 |
| S17 | 1 | summarized adj workload | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/10 17:22 |
| S18 | 10 | summary adj workload | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 11:08 |
| S19 | 1 | "20060168312" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 11:10 |
| S20 | 1 | "20060026236" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 11:17 |
| S21 | 1 | "7089281" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 11:17 |
| S22 | 2 | "6732137" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 13:41 |
| S23 | 9 | "6026406" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 14:08 |
| S24 | 16 | (row adj level adj lock) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 15:36 |
| S25 | 18 | ("5161227" "5535375" "5551046" "5623659" "5642501" "5649200" "5664186" "5666532" "5675762" "5692178" "5890153" "5897638"). PN. OR ("6370529").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/11 14:22 |
| S26 | 12 | (record adj level adj lock) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 14:27 |
| S27 | 23 | (record adj level adj lock\$3) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:47 |

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| S28 | 55 | dogpile | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:47 |
| S29 | 297 | multiple adj search adj engine | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 14:48 |
| S30 | 43 | table adj level adj lock\$3 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:47 |
| S31 | 10 | S30 and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:49 |
| S32 | 0 | (batch adj transaction adj lock) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:50 |
| S33 | 1 | ((batch adj transaction) with lock) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 15:50 |
| S34 | 61 | ((batch adj transaction) and lock\$3) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 16:10 |
| S35 | 576 | 707/8.ccls. and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 16:36 |
| S36 | 63 | S35 and batch | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/11 16:10 |
| S37 | 138 | (granularity adj lock\$3) and (@rlad<="19990512" @ad<="19990512") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2007/04/12 10:21 |



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"multi-level lock"

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[R Solomon](#)

Multi-level lock system and method - group of 4 »

W Tietz - US Patent 4,325,242, 1982 - Google Patents

... [ii] 4,325,242 Tietz [54] MULTI-LEVEL LOCK SYSTEM AND METHOD [75] Inventor: Werner

Tietz, Berlin, Fed. Rep. ... Page 6. 4,325,242 MULTI-LEVEL LOCK SYSTEM AND METHOD ...

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Distributed raid storage system - group of 4 »

RC Solomon, JA Blakeslee - US Patent 6,151,659, 2000 - Google Patents

Page 1. United States Patent US006151659A [ii] Patent Number: 6,151,659 Solomon et al. [54] DISTRIBUTED RAID STORAGE SYSTEM [75] Inventors ...

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Cylinder lock and key - group of 2 »

PE Meissner - US Patent 4,869,085, 1989 - Google Patents

... to A **multi-level lock** system and method is disclosed in US Pat. No. 4,325,242, including discontinuous rib members ateachside ofanelongated key. US Pat. No. ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)

Database access with multilevel lock

M Cina - 2005 - freepatentsonline.com

... Abstract: A **multi-level lock** procedure is used in scheduling access of a table in a database by multiple processes running in parallel. ...

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Method for safe transfer of patient data on a data carrier - group of 3 »

A Veidung - 2004 - freepatentsonline.com

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record level lock

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[All Results](#)[C Mohan](#)[G Weikum](#)[M Stonebraker](#)[D Lomet](#)[E Hanson](#)

[Method for updating a block using record-level locks by committing the update if the block has not ... - group of 3 »](#)

JP Strickland, KM Kapulka - US Patent 5,355,477, 1994 - Google Patents
... Two or more concurrent processes can update different records within the same VSAM data CI using only a **record- level lock**. This ...

[Cited by 28 - Related Articles - Web Search](#)

[Principles and realization strategies of multilevel transaction management - group of 4 »](#)

G Weikum - ACM Transactions on Database Systems (TODS), 1991 - portal.acm.org
... approach [92]. Obviously, the page-level **locks** guarantee serializability of ... recover from a system crash, before applying any tuple-level log **record** the ...

[Cited by 186 - Related Articles - Web Search](#)

[MLR: a recovery method for multi-level systems - group of 16 »](#)

DB Lomet - Proceedings of the 1992 ACM SIGMOD international conference ..., 1992 - portal.acm.org

... **level multi-level** transaction nested transaction (transaction itself or system) compensation transaction a **lock** at L compensation log **record** (**recording** undo ...)

[Cited by 54 - Related Articles - Web Search - Library Search](#)

[The POSTGRES rule manager - group of 14 »](#)

M Stonebraker, EN Hanson, S Potamianos - IEEE Transactions on Software Engineering, 1988 - doi.ieeecs.org

... versus late evaluation, the decision of **lock** granularity is a complex optimization problem. Initial investigation [141 suggests that **record level** locking is ...

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[Adaptive Locking Strategies in a Multi-node Data Sharing Environment - group of 4 »](#)

AM Joshi - Proceedings of the 17th International Conference on Very ..., 1991 - acm.org

... Rdb/VMS supports two-phase locking at the **record level** using **lock** de-escalation in order to reduce the number of **locks** that may be required for accessing ...

[Cited by 30 - Related Articles - View as HTML - Web Search](#)

[Hybrid lock escalation and de-escalation protocols - group of 3 »](#)

AM Joshi - US Patent 5,414,839, 1995 - Google Patents

... To allow for the possibility of relation **lock** de-escalation, **record- level** write sets and read predicate lists for transactions are kept in a control block ...

[Cited by 35 - Related Articles - Web Search](#)

[A commentary on the POSTGRES rules system - group of 9 »](#)

M Stonebraker, M Hearst, S Potamianos - ACM SIGMOD Record, 1989 - portal.acm.org

... If a PRS II rule contains new or old, then **record** processing will be used to ... retrieve "steel" where EMP.age < 80 This rule can use a column **level lock** and be ...

[Cited by 42 - Related Articles - Web Search - Library Search](#)

Transaction processing system and method with reduced locking - group of 5

»

C Mohan - US Patent 5,247,672, 1993 - Google Patents

... is also a need for a method for more the **lock** only needs to ... Locking at a finer granularity, such as **record**- ... level locking can reduce contention between concu- ...

Cited by 49 - Related Articles - Web Search

Transaction monitoring in Encompass [TM]: Reliable distributed transaction processing - group of 2 »

A Borri - Proceedings of the Very Large Database Conference, 1981 - cdserv4.inria.fr

... **Record level** locking operates on the primary key of an individual logical data record; (There is no locking at the block or index **level**.) **Locks** on existing ...

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[book] The Starburst Long Field Manager - group of 4 »

TJ Lehman, B Lindsay - 1989 - vldb.org

... by a combination of long-term and instantaneous **locks**. ... slice managed similarly to a database **record**, was used ... scheme provided only medium-level performance at ...

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